Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/07/2019 01:36 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124562	-1	1.20	124630	1.16
Blue	F	SSC	125000	123695	-2	1.45	124455	1.46
Blue	E	FITC	16122	15634	-4	2.65	340	19.86
Blue	D	PE	29316	28873	-2	1.85	630	14.29
Blue	B	PerCP-Cy5-5	42590	42274	-1	3.54	1139	20.36
Blue	A	PE-Cy7	33146	33474	0	6.02	641	39.35
Red	C	APC	45473	45352	-1	2.46	1607	12.00
Red	A	APC-Cy7	31961	30861	-4	2.37	817	11.90
Violet	B	V450	7914	7495	-6	4.79	430	13.01
Violet	A	V500	29769	28397	-5	4.62	662	10.67

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21280	2.71	608	8	N/A	N/A	Pass
Blue	F	SSC	56364	1.01	552	14	N/A	N/A	Pass
Blue	E	FITC	62	61.47	540	3	0.0198	82	Pass
Blue	D	PE	132	49.42	543	6	0.1851	322	Pass
Blue	B	PerCP-Cy5-5	208	48.70	648	10	0.0089	14	Pass
Blue	A	PE-Cy7	118	98.84	702	11	0.0118	19	Pass
Red	C	APC	383	25.40	587	8	0.0253	199	Pass
Red	A	APC-Cy7	181	29.26	562	6	0.0058	1370	Pass
Violet	B	V450	71	55.60	466	6	0.0596	2635	Pass
Violet	A	V500	100	30.83	478	6	0.0219	359	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.99	-31.85	0.99
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.52
Red	15.72	13.60 - 20.40	N/A	N/A	29.22	29.81	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 13042

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments